
Public Notice

**U.S. Army Corps
of Engineers**
Pittsburgh District

In Reply Refer to
Notice No. below

US Army Corps of Engineers, Pittsburgh District
1000 Liberty Avenue
Pittsburgh, PA 15222-4186

Application No. 200600054

Date: April 12, 2006

Notice No. 06-14

Closing Date: May 12, 2006

1. TO ALL WHOM IT MAY CONCERN: The following application has been submitted for a Department of the Army Permit under the provisions of Section 404 of the Clean Water Act (33 U.S.C. 1344).

2. APPLICANT: Stream Restoration Incorporated
3016 Unionville Road
Cranberry Township, PA 16066

3. LOCATION: The project is located in wetlands adjacent to Raccoon Creek, in Smith Township, Washington County, Pennsylvania.
Latitude: 40 22' 12" Longitude 80 21' 44"

4. PURPOSE AND DESCRIPTION OF WORK: The applicant is proposing to place a check dam and water intake structure within Raccoon Creek and proposes to impact approximately 4.5 acres of emergent wetland adjacent to Raccoon Creek for the construction of an aerobic acid mine drainage (AMD) treatment wetland which will be used to treat AMD discharge from the JB1 discharge. The applicant is proposing that anticipated improved water quality along Raccoon Creek and the constructed treatment wetland will offset the lost functions and values of the existing wetland. The applicant has not provided a compensatory mitigation plan at this time. Drawings of the proposed project are attached to this notice.

5. ENCROACHMENT PERMIT: The Pennsylvania Department of Environmental Protection has waived the requirement to obtain State 401 Water Quality Certification by determining the project meets the Category 1 waiver criteria as published in The Pennsylvania Bulletin on December 14, 1996.

6. IMPACT ON NATURAL RESOURCES: The District Engineer has consulted the most recently available information and has determined that the project is not likely to affect the continued existence of any endangered species or threatened species, or result in the destruction or adverse modification of habitat of such species which has been determined to be critical. This

Public Notice serves as a request to the U. S. Fish and Wildlife Service for any additional information they may have on whether any listed or proposed to be listed endangered or threatened species may be present in the area which would be affected by the activity, pursuant to Section 7(c) of the Endangered Species Act of 1972 (as amended).

7. IMPACT ON CULTURAL RESOURCES: The National Register of Historic Places has been consulted, and it has been determined that there are no properties currently listed on the register which would be directly affected by the proposed work. If we are made aware, as a result of comments received in response to this notice, or by other means, of specific archeological, scientific, prehistorical, or historical sites or structures which might be affected by the proposed work, the District Engineer will immediately take the appropriate action necessary pursuant to the National Historic Preservation Act of 1966 - Public Law 89-665 as amended (including Public Law 96-515).

8. PUBLIC INVOLVEMENT: Any person may request, in writing, within the comment period specified in the paragraph below entitled "RESPONSES," that a public hearing be held to consider this application. The requests for public hearing shall state, with particularity, the reasons for holding a public hearing.

9. EVALUATION: Interested parties are invited to state any objections they may have to the proposed work. The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposals must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people. The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an

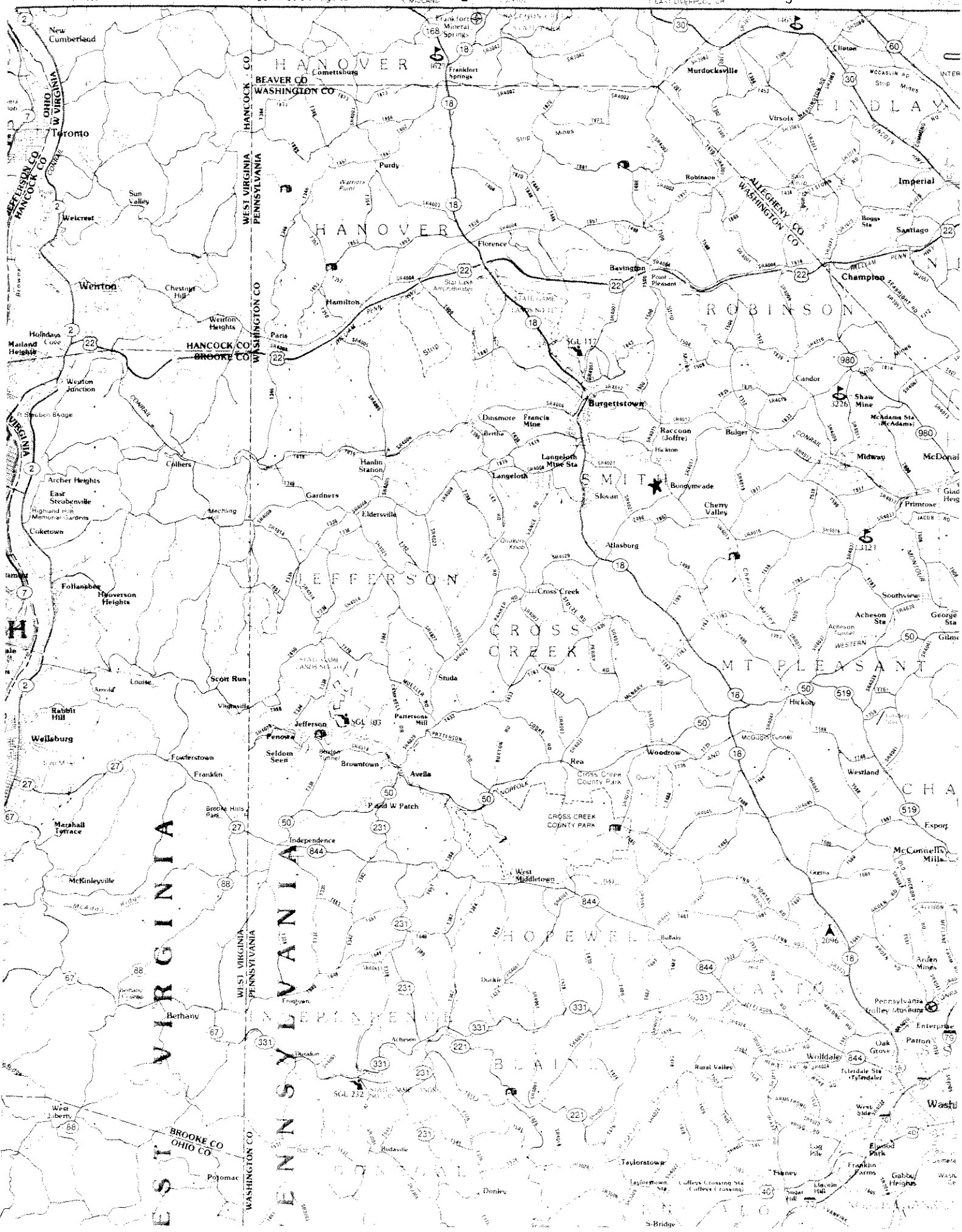
Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the overall public interest of the proposed activity. The evaluation of the impact of the activity on the public interest will include application of the guidelines promulgated by the Administrator, Environmental Protection Agency, under the authority of Section 404(b) of the Clean Water Act (40 CFR Part 230).

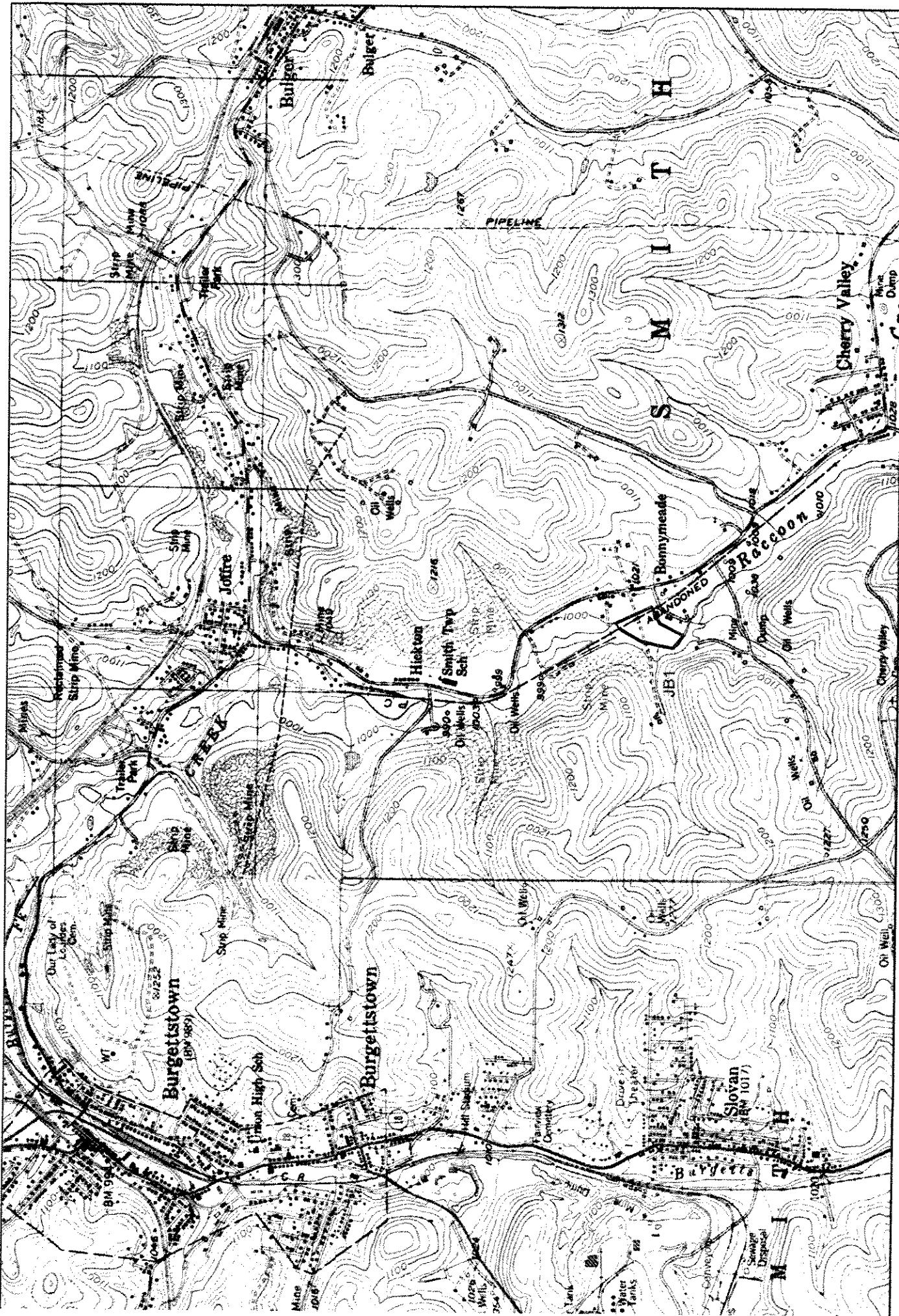
10. RESPONSES: A permit will be granted unless its issuance is found to be contrary to the public interest. Written statements concerning the proposed activity should be received in this office on or before the closing date of this Public Notice in order to become a part of the record and to be considered in the final determination. Any objections which are received during this period may be forwarded to the applicant for possible resolution before the determination is made whether to issue or deny the requested DA Permit. All responses to this notice should be directed to the Regulatory Branch, attn Christina L. Schroeder, at the above address. Please refer to CELRP-OP-F 200600054 in all responses.

FOR THE DISTRICT ENGINEER:

/signed/

Michael J. Cummings, Jr.
Chief, Regulatory Branch





Name: MIDWAY

Date: 10/26/2005

Scale: 1 inch equals 2000 feet

Location: 040° 22' 12.32" N 080° 21' 44.48" W

Caption: Figure 1: Location Map

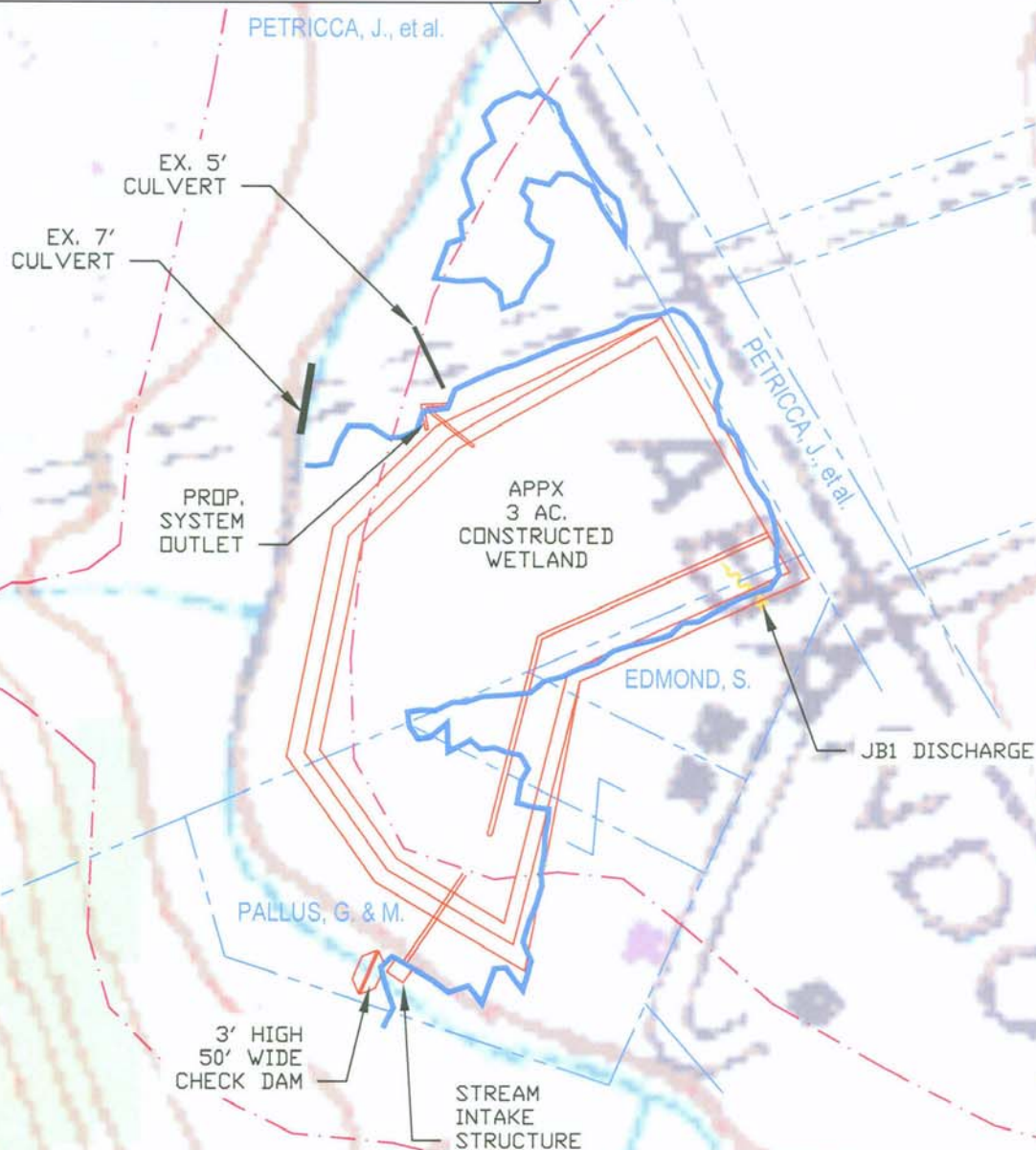
Raccoon Creek Watershed Restoration - JB1

Smith Twp., Washington Co.

LEGEND

-  PROPERTY LINE (APPX.)
 PASSIVE TREATMENT SYSTEM
 SEWER LINE
 FEMA 100-YR FLOODWAY
 WETLAND BOUNDARY

North



200 100 0 200 400

NOTES:
BASE MAP - USGS 7.5' MIDWAY PR (PI 1977); ADDITIONAL BASE MAP
INFORMATION FROM PENBALT INC. REFUSE DISPOSAL SITE MODULE 6.2
RESOURCE MAP SMP#63871301 REV. 12/28/93 BY COPPLE-RIZZO ASSOCIATES,
NEW CASTLE, PA

PASSIVE COMPONENTS ARE CONCEPTUAL; SIZE, LOCATION AND CONFIGURATION SUBJECT TO CHANGE BASED ON FIELD OR OTHER CONDITIONS.

FEMA MAPPING INFORMATION DOWNLOADED FROM WWW.PASDA.PSU.EDU

1	03/06	WL BNDY
REV.	DATE	DESCRIPTION

GENERAL SITE OVERVIEW

CONCEPTUAL SITE PLAN

RACCOON CREEK
WATERSHED RESTORATION JB1 (PH1)
STREAM RESTORATION INCORPORATED

situate in
Smith Township
Washington County, Pennsylvania
Scale: 1" = 200' December 2005

BioMost, Inc.
Mining and Reclamation Services
Cranberry Twp., PA

Raccoon Creek Water Quality Database

Sample Point	Date	Method of Flow Meas.	Flow (gpm)	Field pH	Lab pH	Spec. cond. (umhos/cm)	Field Temp (C)	Alk. (F) (mg/L)	Alk. (L) (mg/L)	Acid. (mg/L)	Fe (mg/L)	D. Fe (mg/L)	Mn (mg/L)	D. Mn (mg/L)	Al (mg/L)	D. Al (mg/L)	Sulfate (mg/L)	Susp. Solids (mg/L)
JB-1B	12/7/2005			4.8	4.6	1708	12	1	2	240	91.0		2.4		14.6		1063	3
Min				4.8	4.6	1708	12	1	2	240	91.0		2.4		14.6		1063	3
Max				4.8	4.6	1708	12	1	2	240	91.0		2.4		14.6		1063	3
Avg				4.8	4.6	1708	12	1	2	240	91.0		2.4		14.6		1063	3
Range				0.0	0.0	0	0	0	0	0	0.0		0.0		0.0		0	0

Description: Abandoned Mine Discharge; Sampled at watercourse of JB1 discharge just prior to confluence with side channel of Raccoon Creek

Raccoon Creek Water Quality Database

Sample Point	Date	Method of Flow Meas.	Flow (gpm)	Field pH	Lab pH	Spec. cond. (umhos/cm)	Field Temp (C)	Alk. (Field) (mg/L)	Alk. (lab) (mg/L)	Acidity (mg/L)	Iron (mg/L)	Manganese (mg/L)	Aluminum (mg/L)	Sulfate (mg/L)	Susp. Solids (mg/L)
JB-1	1/11/1995	Measured				4.6			14	226	69.1	1.8	10.2	830	1
JB-1	2/24/1995	Measured				4.5			11	170	53.7	1.6	7.8	737	2
JB-1	3/17/1995	Measured				4.7			15	146	46.7	1.4	6.6	618	2
JB-1	4/13/1995	Measured	1197			4.6			13	118	43.5	1.5	6.8	571	2
JB-1	5/4/1995	Measured	1186			4.6			12	128	44.0	1.5	7.0	611	2
JB-1	6/13/1995	Measured	1122			4.7			14	148	48.0	1.7	7.2	603	8
JB-1	8/8/1995	Measured	876			4.8			16	138	51.1	1.6	7.0	633	4
JB-1	9/11/1995	Measured	672												
JB-1	10/26/1995	Measured	963			4.9			18	180	56.4	1.7	6.5	747	14
JB-1	11/8/1995	Measured	615			4.8			15	194	63.5	1.9	6.5	722	15
JB-1	12/13/1995	Measured	788			5.1			26	132	53.0	1.5	4.6	715	2
JB-1	1/11/1996	Measured	850			5.3			24	124	59.1	1.6	4.7	780	8
JB-1	2/12/1996	Measured	756												
JB-1	3/18/1996	Measured	967			4.6			11	190	45.3	1.4	7.4	667	2
JB-1	4/9/1996	Measured	1267			4.3			7	194	43.6	1.4	8.5	653	2
JB-1	5/21/1996	Measured	966			4.4			9	158	40.2	1.5	9.5	682	2
JB-1	6/6/1996	Measured	1362			4.5			10	168	42.9	1.6	9.7	658	2
JB-1	7/1/1996	Measured	1043			4.6			12	170	41.4	1.5	9.0	612	12
JB-1	8/1/1996	Measured	738			4.6			12	128	38.4	1.4	7.4	616	2
JB-1	9/10/1996	Measured	627			4.7			13	170	42.1	1.4	6.5	696	16
JB-1	10/24/1996	Measured				4.7			14	156	48.6	1.6	6.0	751	34
JB-1	11/8/1996	Measured				4.8			16		46.4	1.4	5.8	662	12
JB-1	12/30/1996	Measured				4.7			14	140	40.8	1.5	6.8	670	2
JB-1	1/23/1997	Measured				4.7			14	124	30.4	1.2	5.1	730	2
JB-1	2/25/1997	Measured				4.6			12	118	27.6	1.3	5.1	626	2
JB-1	3/24/1997	Measured				4.5			11	92	25.3	1.2	5.3	496	10
JB-1	4/28/1997	Measured				4.6			12	116	23.9	1.2	5.5	586	2
JB-1	5/21/1997	Measured				4.7			15	114	26.4	1.3	5.2	753	2
JB-1	6/24/1997	Measured				4.6			10	124	29.4	1.3	6.0	523	10

Raccoon Creek Water Quality Database

Sample Point	Date	Method of Flow Meas.	Flow (gpm)	Field pH	Lab pH	Spec. cond. (umhos/cm)	Field Temp (C)	Alk. (Field) (mg/L)	Alk. (lab) (mg/L)	Acidity (mg/L)	Iron (mg/L)	Manganese (mg/L)	Aluminum (mg/L)	Sulfate (mg/L)	Susp. Solids (mg/L)
JB-1	7/14/1997	Measured				4.9			17	156	30.1	1.3	4.8	486	6
JB-1	10/23/1997	Measured				5.1			18	160	41.8	1.4	4.6	626	4
JB-1	2/11/1998	Measured				4.9			17	78	34.2	1.2	3.8	575	36
JB-1	4/16/1998	Measured				4.9			18	104	33.0	1.3	4.5	574	2
JB-1	6/10/1998	Measured				4.7			12	104	35.2	1.3	5.3	588	10
JB-1	8/24/1998	Measured				5.0			22	80	34.3	1.1	3.4	639	12
JB-1	10/29/1998	Measured				5.2			24	92	44.7	1.4	3.8	685	6
JB-1	12/16/1998	Measured				5.3			2	102	56.7	1.6	4.5	747	2
JB-1	1/27/1999	Measured				5.3			28	86	52.4	1.5	4.1	629	2
JB-1	2/8/1999	Measured				5.2			26	92	49.9	1.5	4.3	695	2
JB-1	3/9/1999	Measured				5.0			19	84	39.7	1.3	3.9	514	6
JB-1	4/14/1999	Measured	1105			4.8			16	80	37.7	1.4	4.7	582	8
JB-1	5/12/1999	Measured	1515			4.9			16	82	36.2	1.3	4.7	558	4
JB-1	6/3/1999	Measured	1233			4.9			17	82	36.6	1.4	4.5	552	6
JB-1	7/28/1999	Measured	674			5.1			20	88	38.5	1.3	3.9	641	2
JB-1	8/9/1999	Measured	629			5.2			22	80	39.0	1.3	3.5	601	2
JB-1	9/9/1999	Measured	524			5.2			24	94	44.5	1.4	3.6	811	2
JB-1	10/19/1999	Measured	395			5.2			26	92	45.3	1.4	3.6	706	2
JB-1	11/2/1999	Measured	466			5.3			24	84	49.3	1.5	3.8	687	2
JB-1	12/2/1999	Measured	480			5.5			34	88	47.2	1.4	3.1	822	6
JB-1	1/11/2000	Measured	430			5.6			40	88	52.6	1.4	3.1	701	10
JB-1	2/2/2000	Measured	379			5.5			34	100	46.1	1.2	3.4	786	2
JB-1	3/6/2000	Measured	629			5.3			32	108	63.8	1.7	4.3	680	10
JB-1	4/20/2000	Measured	1552			5.2			24	110	47.6	1.4	3.4	624	2
JB-1	5/2/2000	Measured	1168												
JB-1	6/8/2000	Measured	1335			5.2			24	88	43.2	1.4	3.5	663	6
JB-1	7/10/2000	Measured	1105			5.2			22	78				577	2
JB-1	8/9/2000	Measured	1370			5.5			38	62	44.3	1.3	2.7	609	4
JB-1	9/14/2000	Measured	874			5.0			19	94	46.7	1.6	3.9	646	2

Raccoon Creek Water Quality Database

Sample Point	Date	Method of Flow Meas.	Flow (gpm)	Field pH	Lab pH	Spec. cond. (umhos/cm)	Field Temp (C)	Alk. (Field) (mg/L)	Alk. (lab) (mg/L)	Acidity (mg/L)	Iron (mg/L)	Manganese (mg/L)	Aluminum (mg/L)	Sulfate (mg/L)	Susp. Solids (mg/L)
JB-1	10/3/2000	Measured	770		5.1				22	100	40.9	1.5	3.7	676	4
JB-1	11/1/2000	Measured	674		5.2				24	98	46.6	1.5	3.8	638	22
JB-1	12/4/2000	Measured	504		5.3				24	104	53.2	1.6	3.9	761	10
JB-1	1/8/2001	Measured	585		5.4				34	94	51.6	1.5	3.7	760	17
JB-1	2/5/2001	Measured	770		5.5				34	88	53.6	1.6	3.5	754	8
JB-1	3/7/2001	Measured	847		5.4				30	92	54.6	1.4	3.3	708	26
JB-1	4/16/2001	Measured	1515		5.2				18	88	38.2	1.2	3.1	595	6
JB-1	5/9/2001	Measured	1441		4.9				17	90	46.3	1.4	4.5	643	6
JB-1	6/5/2001	Measured	1105		5.0				18	112	46.7	1.6	4.6	581	6
JB-1	7/10/2001	Measured	770		5.1				19	116	51.8	1.7	4.5	606	14
JB-1	8/2/2001	Measured	674		5.1				22	118	51.7	1.6	4.2	606	10
JB-1	10/25/2001	Measured	379		5.2				28	112	55.1	1.6	3.5	875	8
JB-1	11/7/2001	Measured	363		5.3				28	128	53.0	1.5	3.6	793	6
JB-1	12/3/2001	Measured	430		5.3				34	105	58.6	1.6	3.0	691	20
JB-1	1/29/2002	Measured	412		5.6				42	117	58.2	1.5	2.8	757	2
JB-1	2/11/2002	Measured	412		5.5				44	119	58.8	1.6	2.9	592	2
JB-1	3/20/2002	Measured	629		5.6				40	150	57.4	1.5	2.8	503	12
JB-1	4/22/2002	Measured	901		5.5				36	107	47.0	1.3	2.5	587	4
JB-1	5/28/2002	Measured	1370		5.2				22	109	53.2	1.5	3.5	552	14
JB-1	6/24/2002	Measured	1370		5.0				22	130	51.6	1.6	4.1	550	16
JB-1	7/22/2002	Measured	985		5.1				20	122	51.6	1.7	4.5	660	8
JB-1	8/7/2002	Measured	901		5.2				19	131	63.8	1.9	4.8	749	4
JB-1	9/16/2002	Measured	607		5.2				26	136	56.7	1.6	3.8	849	10
JB-1	10/28/2002	Measured	504		5.5				32	131	54.7	1.5	3.2	111	28
JB-1	11/25/2002	Measured	430		5.5				42	102	53.6	1.5	2.8	808	28
JB-1	12/11/2002	Measured	379		5.3				32	120	61.3	1.7	3.7	427	14
JB-1	1/17/2003	Weir	674	5.5	5.7	1481	10		30	97	49.6	1.6	2.4	768	10
JB-1	12/7/2005			4.8	4.6	1713	11		3	244	100.5	2.4	14.4	1080	8

Raccoon Creek Water Quality Database

Sample Point	Date	Method of Flow Meas.	Flow (gpm)	Field pH	Lab pH	Spec. cond. (umhos/cm)	Field Temp (C)	Alk. (Field) (mg/L)	Alk. (lab) (mg/L)	Acidity (mg/L)	Iron (mg/L)	Manganese (mg/L)	Aluminum (mg/L)	Sulfate (mg/L)	Susp. Solids (mg/L)
Min			363	4.8	4.3	1481	10		2	62	23.9	1.1	2.4	111	1
Max			1552	5.5	5.7	1713	11		44	244	100.5	2.4	14.4	1080	36
Avg			843	5.1	5.0	1597	11		21	119	47.2	1.5	4.9	658	8
Range			1189	0.8	1.4	232	1		42	182	76.6	1.3	12.0	969	35

Description: Abandoned mine discharge; AKA CV 103; Racoon Creek Watershed

Raccoon Creek Water Quality Database

Sample Point	Date	Method of Flow Meas.	Flow (gpm)	Field pH	Lab pH	Spec. cond. (umhos/cm)	Field Temp (C)	Alk. (Field) (mg/L)	Alk. (lab) (mg/L)	Acidity (mg/L)	Iron (mg/L)	Manganese (mg/L)	Aluminum (mg/L)	Sulfate (mg/L)	Susp. Solids (mg/L)
JB-1B	12/7/2005			4.8	4.6	1708	12	1	2	240	91.0	2.4	14.6	1063	3
	Min			4.8	4.6	1708	12	1	2	240	91.0	2.4	14.6	1063	3
	Max			4.8	4.6	1708	12	1	2	240	91.0	2.4	14.6	1063	3
	Avg			4.8	4.6	1708	12	1	2	240	91.0	2.4	14.6	1063	3
	Range			0.0	0.0	0	0	0	0	0	0.0	0.0	0.0	0	0

Description: Abandoned Mine Discharge; Sampled at watercourse of JB1 discharge just prior to confluence with side channel of Raccoon Creek

Raccoon Creek Water Quality Database

Sample Point	Date	Method of Flow Meas.	Flow (gpm)	Field pH	Lab pH	Spec. cond. (umhos/cm)	Field Temp (C)	Alk. (Field) (mg/L)	Alk. (lab) (mg/L)	Acidity (mg/L)	Iron (mg/L)	Manganese (mg/L)	Aluminum (mg/L)	Sulfate (mg/L)	Susp. Solids (mg/L)
Key's Road	10/16/2000			6.5	6.6				76	0	18.3	1.3	0.7	522	22
Key's Road	4/29/2001			7.3	7.1				154	0	7.5	0.5	1.0	263	30
Key's Road	10/14/2001			6.4	6.2				40	34	22.4	1.9	0.7	345	20
Key's Road	8/6/2002			6.5	6.2				26	77	42.1	2.3	2.7	866	24
Min				6.4	6.2				26	0	7.5	0.5	0.7	263	20
Max				7.3	7.1				154	77	42.1	2.3	2.7	866	30
Avg				6.7	6.5				74	28	22.6	1.5	1.3	499	24
Range				0.9	0.9				128	77	34.6	1.8	2.0	603	10

Description: Raccoon Creek about 3/4 mile downstream of JB1

Raccoon Creek Water Quality Database

Sample Point	Date	Method of Flow Meas.	Flow (gpm)	Field pH	Lab pH	Spec. cond. (umhos/cm)	Field Temp (C)	Alk. (Field) (mg/L)	Alk. (lab) (mg/L)	Acidity (mg/L)	Iron (mg/L)	Manganese (mg/L)	Aluminum (mg/L)	Sulfate (mg/L)	Susp. Solids (mg/L)
SL-1	8/9/1999					7.3			160	0	0.5	0.5	0.5	75	
SL-1	10/18/1999					7.7			200	0	0.3	0.1	0.5	85	
SL-1	11/15/1999					7.4			180	0	0.4	0.1	0.5	141	
SL-1	12/1/1999					7.4			166	0	0.3	0.1	0.5	135	
SL-1	1/10/2000					7.9			162	0	0.3	0.1	0.5	58	
SL-1	2/16/2000					7.5			118	0	1.3	0.1	1.0	51	
SL-1	3/7/2000					8.3			168	0	0.3	0.1	0.5	71	
SL-1	4/2/2000					7.9			188	0	0.3	0.1	0.5	121	
SL-1	5/15/2000					8.1			192	0	0.3	0.1	0.5	86	
SL-1	6/27/2000					7.8			210	0	0.8	0.1	0.5	129	
SL-1	7/24/2000					7.7			200	0	0.3	0.1	0.5	53	
SL-1	8/28/2000					7.9			200	0	0.3	0.1	0.5	67	
Min						7.3			118	0	0.3	0.1	0.5	51	
Max						8.3			210	0	1.3	0.5	1.0	141	
Avg						7.7			179	0	0.5	0.1	0.5	89	
Range						1.0			92	0	1.0	0.4	0.5	90	